



SEQUENCE LISTING

<110> Kundig, Thomas M.
Simard, John J. L.

<120> A METHOD OF INDUCING A CTL RESPONSE

<130> MANNK.001CP1

<140> 09/380,534

<141> 1999-09-01

<150> PCT/US98/14289

<151> 1998-07-10

<150> 08/988,320

<151> 1997-12-10

<150> CA 2,209,815

<151> 1997-07-10

<160> 569

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 9

<212> PRT

<213> Adenovirus 3

<400> 1

Leu Ile Val Ile Gly Ile Leu Ile Leu

1

5

<210> 2

<211> 10

<212> PRT

<213> Adenovirus 5

<400> 2

Ser Gly Pro Ser Asn Thr Pro Pro Glu Ile

1

5

10

<210> 3

<211> 9

<212> PRT

<213> Adenovirus 5

<400> 3

Val Asn Ile Arg Asn Cys Cys Tyr Ile

1

5

<210> 4
<211> 10
<212> PRT
<213> Adenovirus 5

<400> 4
Ser Gly Pro Ser Asn Ile Pro Pro Glu Ile
1 5 10

<210> 5
<211> 9
<212> PRT
<213> CSFV

<400> 5
Glu Asn Ala Leu Leu Val Ala Leu Phe
1 5

<210> 6
<211> 9
<212> PRT
<213> Dengue virus 4

<400> 6
Thr Pro Glu Gly Ile Ile Pro Thr Leu
1 5

<210> 7
<211> 9
<212> PRT
<213> EEV

<400> 7
Cys Leu Gly Gly Leu Leu Thr Met Val
1 5

<210> 8
<211> 9
<212> PRT
<213> EBV

<400> 8
Asn Ile Ala Glu Gly Leu Arg Ala Leu
1 5

<210> 9
<211> 9
<212> PRT
<213> EBV

<400> 9
Asn Leu Arg Arg Gly Thr Ala Leu Ala

1 5

<210> 10
<211> 9
<212> PRT
<213> EBV

<400> 10
Ala Leu Ala Ile Pro Gln Cys Arg Leu
1 5

<210> 11
<211> 9
<212> PRT
<213> EBV

<400> 11
Val Leu Lys Asp Ala Ile Lys Asp Leu
1 5

<210> 12
<211> 9
<212> PRT
<213> EBV

<400> 12
Phe Met Val Phe Leu Gln Thr His Ile
1 5

<210> 13
<211> 9
<212> PRT
<213> EBV

<400> 13
His Leu Ile Val Asp Thr Asp Ser Leu
1 5

<210> 14
<211> 9
<212> PRT
<213> EBV

<400> 14
Ser Leu Gly Asn Pro Ser Leu Ser Val
1 5

<210> 15
<211> 9
<212> PRT
<213> EBV

<400> 15
Pro Leu Ala Ser Ala Met Arg Met Leu
1 5

<210> 16
<211> 9
<212> PRT
<213> EBV

<400> 16
Arg Met Leu Trp Met Ala Asn Tyr Ile
1 5

<210> 17
<211> 9
<212> PRT
<213> EBV

<400> 17
Met Leu Trp Met Ala Asn Tyr Ile Val
1 5

<210> 18
<211> 9
<212> PRT
<213> EBV

<400> 18
Ile Leu Pro Gln Gly Pro Gln Thr Ala
1 5

<210> 19
<211> 9
<212> PRT
<213> EBV

<400> 19
Pro Leu Arg Pro Thr Ala Pro Thr Ile
1 5

<210> 20
<211> 9
<212> PRT
<213> EBV

<400> 20
Pro Leu Pro Pro Ala Thr Leu Thr Val
1 5

<210> 21

<211> 9
<212> PRT
<213> EBV

<400> 21
Arg Met His Leu Pro Val Leu His Val
1 5

<210> 22
<211> 9
<212> PRT
<213> EBV

<400> 22
Pro Met Pro Leu Pro Pro Ser Gln Leu
1 5

<210> 23
<211> 9
<212> PRT
<213> EBV

<400> 23
Gln Leu Pro Pro Pro Ala Ala Pro Ala
1 5

<210> 24
<211> 9
<212> PRT
<213> EBV

<400> 24
Ser Met Pro Glu Leu Ser Pro Val Leu
1 5

<210> 25
<211> 9
<212> PRT
<213> EBV

<400> 25
Asp Leu Asp Glu Ser Trp Asp Tyr Ile
1 5

<210> 26
<211> 9
<212> PRT
<213> EBV

<400> 26
Pro Leu Pro Cys Val Leu Trp Pro Val
1 5

<210> 27
<211> 9
<212> PRT
<213> EBV

<400> 27
Ser Leu Glu Glu Cys Asp Ser Glu Leu
1 5

<210> 28
<211> 9
<212> PRT
<213> EBV

<400> 28
Glu Ile Lys Arg Tyr Lys Asn Arg Val
1 5

<210> 29
<211> 9
<212> PRT
<213> EBV

<400> 29
Gln Leu Leu Gln His Tyr Arg Glu Val
1 5

<210> 30
<211> 9
<212> PRT
<213> HCV-1

<400> 30
Leu Leu Gln His Tyr Arg Glu Val Ala
1 5

<210> 31
<211> 9
<212> PRT
<213> EBV

<400> 31
Leu Leu Lys Gln Met Cys Pro Ser Leu
1 5

<210> 32
<211> 9
<212> PRT
<213> EBV

<400> 32
Ser Ile Ile Pro Arg Thr Pro Asp Val
1 5

<210> 33
<211> 10
<212> PRT
<213> EBV

<400> 33
Leu Leu Asp Phe Val Arg Phe Met Gly Val
1 5 10

<210> 34
<211> 9
<212> PRT
<213> EBV

<400> 34
Ser Val Arg Asp Arg Leu Ala Arg Leu
1 5

<210> 35
<211> 9
<212> PRT
<213> EBV

<400> 35
Ile Val Thr Asp Phe Ser Val Ile Lys
1 5

<210> 36
<211> 10
<212> PRT
<213> EBV

<400> 36
Ala Val Phe Asp Arg Lys Ser Asp Ala Lys
1 5 10

<210> 37
<211> 8
<212> PRT
<213> EBV

<400> 37
Arg Tyr Ser Ile Phe Phe Asp Tyr
1 5

<210> 38
<211> 9

<212> PRT
<213> EBV

<400> 38
Gln Pro Arg Ala Pro Ile Arg Pro Ile
1 5

<210> 39
<211> 9
<212> PRT
<213> EBV

<400> 39
Arg Pro Pro Ile Phe Ile Arg Arg Leu
1 5

<210> 40
<211> 9
<212> PRT
<213> EBV

<400> 40
Glu Pro Asp Val Pro Pro Gly Ala Ile
1 5

<210> 41
<211> 9
<212> PRT
<213> EBV

<400> 41
Ile Pro Gln Cys Arg Leu Thr Pro Leu
1 5

<210> 42
<211> 9
<212> PRT
<213> EBV

<400> 42
Gly Pro Gly Pro Gln Pro Gly Pro Leu
1 5

<210> 43
<211> 9
<212> PRT
<213> EBV

<400> 43
Gln Pro Gly Pro Leu Glu Arg Ser Ile
1 5

<210> 44
<211> 9
<212> PRT
<213> EBV

<400> 44
Arg Pro Gln Lys Arg Pro Ser Cys Ile
1 5

<210> 45
<211> 9
<212> PRT
<213> EBV

<400> 45
Pro Pro Thr Pro Leu Leu Thr Val Leu
1 5

<210> 46
<211> 9
<212> PRT
<213> EBV

<400> 46
Thr Pro Ser Pro Pro Arg Met His Leu
1 5

<210> 47
<211> 9
<212> PRT
<213> EBV

<400> 47
Pro Pro Arg Met His Leu Pro Val Leu
1 5

<210> 48
<211> 9
<212> PRT
<213> EBV

<400> 48
Val Pro Asp Gln Ser Met His Pro Leu
1 5

<210> 49
<211> 9
<212> PRT
<213> EBV

<400> 49

Pro Pro Ser Ile Asp Pro Ala Asp Leu
1 5

<210> 50
<211> 9
<212> PRT
<213> EEV

<400> 50
Leu Pro Cys Val Leu Trp Pro Val Leu
1 5

<210> 51
<211> 10
<212> PRT
<213> EBV

<400> 51
Cys Pro Ser Leu Asp Val Asp Ser Ile Ile
1 5 10

<210> 52
<211> 9
<212> PRT
<213> EBV

<400> 52
Thr Pro Asp Val Leu His Glu Asp Leu
1 5

<210> 53
<211> 9
<212> PRT
<213> EBV

<400> 53
Phe Leu Arg Gly Arg Ala Tyr Gly Leu
1 5

<210> 54
<211> 9
<212> PRT
<213> EBV

<400> 54
Gln Ala Lys Trp Arg Leu Gln Thr Leu
1 5

<210> 55
<211> 9
<212> PRT

<213> EBV

<400> 55

Ala Tyr Pro Leu His Glu Gln His Gly
1 5

<210> 56

<211> 9

<212> PRT

<213> EBV

<400> 56

Tyr Ile Lys Ser Phe Val Ser Asp Ala
1 5

<210> 57

<211> 9

<212> PRT

<213> EBV

<400> 57

Arg Arg Arg Trp Arg Arg Leu Thr Val
1 5

<210> 58

<211> 9

<212> PRT

<213> Hepatitis C virus

<400> 58

Arg Arg Ile Tyr Asp Leu Ile Glu Leu
1 5

<210> 59

<211> 9

<212> PRT

<213> EBV

<400> 59

Tyr Pro Leu His Glu Gln His Gly Met
1 5

<210> 60

<211> 9

<212> PRT

<213> Hepatitis C virus

<400> 60

His Ser Lys Lys Lys Cys Asp Glu Leu
1 5

<210> 61
<211> 8
<212> PRT
<213> Hepatitis C virus

<400> 61
Ala Ser Arg Cys Trp Val Ala Met
1 5

<210> 62
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 62
Gly Gln Ile Val Gly Gly Val Tyr Leu
1 5

<210> 63
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 63
Arg Pro Leu Thr Asp Phe Asp Gln Gly Trp
1 5 10

<210> 64
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 64
Leu Met Gly Tyr Ile Pro Leu Val Gly Ala
1 5 10

<210> 65
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 65
Ala Asp Leu Met Gly Tyr Ile Pro Leu Val
1 5 10

<210> 66
<211> 16
<212> PRT
<213> Hepatitis C virus

<400> 66
Met Ser Tyr Ser Trp Thr Gly Ala Leu Val Thr Pro Cys Ala Glu Glu

1 5 10 15

<210> 67
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 67
Lys His Pro Asp Ala Thr Tyr Ser Arg
1 5

<210> 68
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 68
Lys Leu Val Ala Leu Gly Ile Asn Ala Val
1 5 10

<210> 69
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 69
Gly Asp Phe Asp Ser Val Ile Asp Cys
1 5

<210> 70
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 70
Gly Asn Ala Ser Arg Cys Trp Val Ala
1 5

<210> 71
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 71
Thr Arg Pro Pro Leu Gly Asn Trp Phe
1 5

<210> 72
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 72
Val Pro His Pro Asn Ile Glu Glu Val
1 5

<210> 73
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 73
Tyr Thr Gly Asp Phe Asp Ser Val Ile
1 5

<210> 74
<211> 8
<212> PRT
<213> Hepatitis C virus

<400> 74
Ser Trp Ala Ile Lys Trp Glu Tyr
1 5

<210> 75
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 75
Lys His Pro Asp Ala Thr Tyr Ser Arg
1 5

<210> 76
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 76
Gly Asp Phe Asp Ser Val Ile Asp Cys
1 5

<210> 77
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 77
Arg Tyr Leu Lys Asp Gln Gln Leu Leu
1 5

<210> 78

<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 78
Ile Val Gly Leu Asn Lys Ile Val Arg
1 5

<210> 79
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 79
Glu Ile Tyr Lys Arg Trp Ile Ile Leu
1 5

<210> 80
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 80
Gly Glu Ile Tyr Lys Arg Trp Ile Ile
1 5

<210> 81
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 81
Glu Ile Lys Asp Thr Lys Glu Ala Leu
1 5

<210> 82
<211> 8
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 82
Tyr Leu Lys Asp Gln Gln Leu Leu
1 5

<210> 83
<211> 11
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 83
Ile Leu Gly Leu Asn Lys Ile Val Arg Met Tyr
1 5 10

<210> 84
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 84
Glu Arg Tyr Leu Lys Asp Gln Gln Leu
1 5

<210> 85
<211> 11
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 85
Tyr His Thr Gln Gly Tyr Phe Pro Gln Trp Gln
1 5 10

<210> 86
<211> 12
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 86
Thr Gln Gly Tyr Phe Pro Gln Trp Gln Asn Tyr Thr
1 5 10

<210> 87
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 87
Gly Arg Ala Phe Val Thr Ile Gly Lys
1 5

<210> 88
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 88
Lys Arg Trp Ile Ile Leu Gly Leu Asn
1 5

<210> 89
<211> 10
<212> PRT
<213> Homo sapiens immunodeficiency virus

<400> 89
 Gln Val Pro Leu Arg Pro Met Thr Tyr Lys
 1 5 10

<210> 90
 <211> 9
 <212> PRT
 <213> Homo sapiens immunodeficiency virus

<400> 90
 Thr Gln Gly Tyr Phe Pro Gln Trp Gln
 1 5

<210> 91
 <211> 9
 <212> PRT
 <213> Homo sapiens immunodeficiency virus

<400> 91
 His Gln Ala Ile Ser Pro Arg Thr Leu
 1 5

<210> 92
 <211> 12
 <212> PRT
 <213> Homo sapiens immunodeficiency virus

<400> 92
 Gln Met Val His Gln Ala Ile Ser Pro Arg Thr Leu
 1 5 10

<210> 93
 <211> 10
 <212> PRT
 <213> Homo sapiens immunodeficiency virus

<400> 93
 Met Tyr Ala Pro Pro Ile Gly Gly Gln Ile
 1 5 10

<210> 94
 <211> 10
 <212> PRT
 <213> Homo sapiens immunodeficiency virus

<400> 94
 Arg Gly Pro Gly Arg Ala Phe Val Thr Ile
 1 5 10

<210> 95
 <211> 9

<212> PRT
 <213> Homo sapiens immunodeficiency virus

 <400> 95
 Met Pro Gly Arg Ala Phe Val Thr Ile
 1 5

 <210> 96
 <211> 9
 <212> PRT
 <213> Homo sapiens immunodeficiency virus type 1

 <400> 96
 Ile Leu Lys Glu Pro Val His Gly Val
 1 5

 <210> 97
 <211> 9
 <212> PRT
 <213> Homo sapiens immunodeficiency virus type 1

 <400> 97
 Ala Phe His His Val Ala Arg Glu Leu
 1 5

 <210> 98
 <211> 9
 <212> PRT
 <213> Homo sapiens immunodeficiency virus type 1

 <400> 98
 Lys Leu Thr Pro Leu Cys Val Thr Leu
 1 5

 <210> 99
 <211> 10
 <212> PRT
 <213> Homo sapiens immunodeficiency virus type 1

 <400> 99
 Ser Leu Leu Asn Ala Thr Asp Ile Ala Val
 1 5 10

 <210> 100
 <211> 9
 <212> PRT
 <213> Homo sapiens immunodeficiency virus type 1

 <400> 100
 Val Ile Tyr Gln Tyr Met Asp Asp Leu
 1 5

<210> 101
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 101
Ser Leu Tyr Asn Thr Val Ala Thr Leu
1 5

<210> 102
<211> 10
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 102
Arg Gly Pro Gly Arg Ala Phe Val Thr Ile
1 5 10

<210> 103
<211> 11
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 103
Arg Leu Arg Asp Leu Leu Leu Ile Val Thr Arg
1 5 10

<210> 104
<211> 10
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 104
Gln Val Pro Leu Arg Pro Met Thr Tyr Lys
1 5 10

<210> 105
<211> 10
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 105
Thr Val Tyr Tyr Gly Val Pro Val Trp Lys
1 5 10

<210> 106
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 106

Arg Leu Arg Pro Gly Gly Lys Lys Lys
1 5

<210> 107
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 107
Val Tyr Tyr Gly Val Pro Val Trp Lys
1 5

<210> 108
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 108
Val Pro Leu Arg Pro Met Thr Tyr Lys
1 5

<210> 109
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 109
Ala Ile Phe Gln Ser Ser Met Thr Lys
1 5

<210> 110
<211> 12
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 110
Ala Ala Val Asp Leu Ser His Phe Leu Lys Glu Lys
1 5 10

<210> 111
<211> 12
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 111
Ala Cys Gln Gly Val Gly Gly Pro Gly Gly His Lys
1 5 10

<210> 112
<211> 10
<212> PRT

<213> Homo sapiens immunodeficiency virus type 1

<400> 112

Glu Thr Ile Asn Glu Glu Ala Ala Glu Trp
1 5 10

<210> 113

<211> 10

<212> PRT

<213> Homo sapiens immunodeficiency virus type 1

<400> 113

Thr Pro Gly Pro Gly Val Arg Tyr Pro Leu
1 5 10

<210> 114

<211> 8

<212> PRT

<213> Homo sapiens immunodeficiency virus type 1

<400> 114

Gly Gly Lys Lys Lys Tyr Lys Leu
1 5

<210> 115

<211> 9

<212> PRT

<213> Homo sapiens immunodeficiency virus type 1

<400> 115

Arg Val Lys Glu Lys Tyr Gln His Leu
1 5

<210> 116

<211> 9

<212> PRT

<213> Homo sapiens immunodeficiency virus type 1

<400> 116

Asp Arg Phe Tyr Lys Thr Leu Arg Ala
1 5

<210> 117

<211> 16

<212> PRT

<213> Homo sapiens immunodeficiency virus type 1

<400> 117

Gly Val Arg Tyr Pro Leu Thr Phe Gly Trp Cys Tyr Lys Leu Val Pro
1 5 10 15

<210> 118
<211> 10
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 118
Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys
1 5 10

<210> 119
<211> 9
<212> PRT
<213> EBV

<400> 119
Lys Glu His Val Ile Gln Asn Ala Phe
1 5

<210> 120
<211> 10
<212> PRT
<213> EBV

<400> 120
Glu Glu Asn Leu Leu Asp Phe Val Arg Phe
1 5 10

<210> 121
<211> 10
<212> PRT
<213> EBV

<400> 121
Asp Thr Pro Leu Ile Pro Leu Thr Ile Phe
1 5 10

<210> 122
<211> 10
<212> PRT
<213> EBV

<400> 122
Gln Asn Gly Ala Leu Ala Ile Asn Thr Phe
1 5 10

<210> 123
<211> 9
<212> PRT
<213> EBV

<400> 123
Arg Leu Arg Ala Glu Ala Gly Val Lys

1

5

<210> 124
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 124
Gly Leu Ser Pro Thr Val Trp Leu Ser Val
1 5 10

<210> 125
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 125
Trp Leu Ser Leu Leu Val Pro Phe Val
1 5

<210> 126
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 126
Phe Leu Pro Ser Asp Phe Phe Pro Ser Val
1 5 10

<210> 127
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 127
Phe Leu Leu Ser Leu Gly Ile His Leu
1 5

<210> 128
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 128
Ser Leu Tyr Ala Asp Ser Pro Ser Val
1 5

<210> 129
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 129
Gly Leu Ser Arg Tyr Val Ala Arg Leu
1 5

<210> 130
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 130
Leu Leu Val Pro Phe Val Gln Trp Phe Val
1 5 10

<210> 131
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 131
Ala Leu Met Pro Leu Tyr Ala Cys Ile
1 5

<210> 132
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 132
Leu Leu Pro Ile Phe Phe Cys Leu Trp Val
1 5 10

<210> 133
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 133
Tyr Met Asp Asp Val Val Leu Gly Ala
1 5

<210> 134
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 134
Leu Leu Leu Cys Leu Ile Phe Leu Leu
1 5

<210> 135

<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 135
Leu Leu Asp Tyr Gln Gly Met Leu Pro Val
1 5 10

<210> 136
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 136
Ser Ile Val Ser Pro Phe Ile Pro Leu Leu
1 5 10

<210> 137
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 137
Phe Leu Leu Thr Arg Ile Leu Thr Ile
1 5

<210> 138
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 138
Tyr Val Asn Val Asn Met Gly Leu Lys
1 5

<210> 139
<211> 11
<212> PRT
<213> Hepatitis B virus

<400> 139
Ser Thr Leu Pro Glu Thr Thr Val Val Arg Arg
1 5 10

<210> 140
<211> 12
<212> PRT
<213> Hepatitis B virus

<400> 140
Ile Pro Gln Ser Leu Asp Ser Trp Trp Thr Ser Leu
1 5 10

<210> 141
<211> 8
<212> PRT
<213> Hepatitis B virus

<400> 141
Met Gly Leu Lys Phe Arg Gln Leu
1 5

<210> 142
<211> 9
<212> PRT
<213> Hepatitis B virus

<220>
<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 142
Ser Thr Asx Xaa Gln Ser Gly Xaa Gln
1 5

<210> 143
<211> 11
<212> PRT
<213> Homo Sapiens cytomegalovirus

<400> 143
Phe Ile Ala Gly Asn Ser Ala Tyr Glu Tyr Val
1 5 10

<210> 144
<211> 12
<212> PRT
<213> Homo Sapiens cytomegalovirus

<400> 144
Ser Asp Glu Glu Glu Ala Ile Val Ala Tyr Thr Leu
1 5 10

<210> 145
<211> 15
<212> PRT
<213> Homo Sapiens cytomegalovirus

<400> 145
Asp Asp Val Trp Thr Ser Gly Ser Asp Ser Asp Glu Glu Leu Val
1 5 10 15

<210> 146
<211> 9
<212> PRT
<213> Homo Sapiens cytomegalovirus

<400> 146
Ile Pro Ser Ile Asn Val His His Tyr
1 5

<210> 147
<211> 10
<212> PRT
<213> Homo Sapiens cytomegalovirus

<400> 147
Asn Leu Val Pro Met Val Ala Thr Val Gln
1 5 10

<210> 148
<211> 15
<212> PRT
<213> Homo Sapiens cytomegalovirus

<400> 148
Arg Lys Thr Pro Arg Val Thr Gly Gly Gly Ala Met Ala Gly Ala
1 5 10 15

<210> 149
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 149
Asp Leu Met Gly Tyr Ile Pro Leu Val
1 5

<210> 150
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 150
Leu Leu Ala Leu Leu Ser Cys Leu Thr Val
1 5 10

<210> 151
<211> 8
<212> PRT
<213> Hepatitis C virus

<400> 151
Ile Leu His Thr Pro Gly Cys Val

1

5

<210> 152
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 152
Gln Leu Arg Arg His Ile Asp Leu Leu Val
1 5 10

<210> 153
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 153
Asp Leu Cys Gly Ser Val Phe Leu Val
1 5

<210> 154
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 154
Ser Met Val Gly Asn Trp Ala Lys Val
1 5

<210> 155
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 155
His Leu His Gln Asn Ile Val Asp Val
1 5

<210> 156
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 156
Phe Leu Leu Leu Ala Asp Ala Arg Val
1 5

<210> 157
<211> 13
<212> PRT
<213> Hepatitis C virus

<400> 157
Gly Leu Arg Asp Leu Ala Val Ala Val Glu Pro Val Val
1 5 10

<210> 158
<211> 11
<212> PRT
<213> Hepatitis C virus

<400> 158
Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val
1 5 10

<210> 159
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 159
Leu Leu Ala Pro Gly Ala Lys Gln Asn Val
1 5 10

<210> 160
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 160
Leu Leu Phe Asn Ile Leu Gly Gly Trp Val
1 5 10

<210> 161
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 161
Tyr Leu Val Ala Tyr Gln Ala Thr Val
1 5

<210> 162
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 162
Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu
1 5 10

<210> 163

<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 163
Leu Leu Ala Leu Leu Ser Cys Leu Thr Ile
1 5 10

<210> 164
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 164
Ser Leu Met Ala Phe Thr Ala Ala Val
1 5

<210> 165
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 165
Cys Ile Asn Gly Val Cys Trp Thr Val
1 5

<210> 166
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 166
Leu Leu Cys Pro Ala Gly His Ala Val
1 5

<210> 167
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 167
Ile Leu Asp Ser Phe Asp Pro Leu Val
1 5

<210> 168
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 168
Ile Leu Ala Gly Tyr Gly Ala Gly Val
1 5

<210> 169
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 169
Gly Leu Gln Asp Cys Thr Met Leu Val
1 5

<210> 170
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 170
Thr Gly Ala Pro Val Thr Tyr Ser Thr Tyr
1 5 10

<210> 171
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 171
His Met Trp Asn Phe Ile Ser Gly Ile
1 5

<210> 172
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 172
Arg Val Cys Glu Lys Met Ala Leu Tyr
1 5

<210> 173
<211> 8
<212> PRT
<213> Hepatitis C virus

<400> 173
Thr Ile Asn Tyr Thr Ile Phe Lys
1 5

<210> 174
<211> 8
<212> PRT
<213> Hepatitis C virus

<400> 174
Tyr Ile Ser Trp Cys Leu Trp Trp
1 5

<210> 175
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 175
Gly Pro Arg Leu Gly Val Arg Ala Thr
1 5

<210> 176
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 176
Ser Phe Asn Cys Gly Gly Glu Phe Phe
1 5

<210> 177
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 177
Thr Glu Met Glu Lys Glu Gly Lys Ile
1 5

<210> 178
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 178
Lys Ile Arg Leu Arg Pro Gly Gly Lys
1 5

<210> 179
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 179
Arg Leu Arg Pro Gly Gly Lys Lys Lys Tyr
1 5 10

<210> 180
<211> 9

<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 180
Ala Ile Phe Gln Ser Ser Met Thr Lys
1 5

<210> 181
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 181
Thr Leu Tyr Cys Val His Gln Arg Ile
1 5

<210> 182
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 182
Ile Tyr Gln Glu Pro Phe Lys Asn Leu Lys
1 5 10

<210> 183
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 183
Lys Tyr Lys Leu Lys His Ile Val Trp
1 5

<210> 184
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 184
Leu Phe Cys Ala Ser Asp Ala Lys Ala Tyr
1 5 10

<210> 185
<211> 11
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 185
Gln Ala Ile Ser Pro Arg Thr Leu Asn Ala Trp
1 5 10

<210> 186
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 186
Glu Val Ile Pro Met Phe Ser Ala Leu
1 5

<210> 187
<211> 11
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 187
Glu Thr Phe Tyr Val Asp Gly Ala Ala Asn Arg
1 5 10

<210> 188
<211> 11
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 188
Arg Leu Arg Asp Leu Leu Ile Val Thr Arg
1 5 10

<210> 189
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 189
Pro Ile Gln Lys Glu Thr Trp Glu Thr Trp
1 5 10

<210> 190
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 190
Arg Ile Lys Gln Ile Ile Asn Met Trp
1 5

<210> 191
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 191

Ile Thr Leu Trp Gln Arg Pro Leu Val
1 5

<210> 192
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 192
Asp Thr Val Leu Glu Glu Met Asn Leu
1 5

<210> 193
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 193
Ile Thr Leu Trp Gln Arg Pro Leu Val
1 5

<210> 194
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 194
Ser Pro Arg Thr Leu Asn Ala Trp Val
1 5

<210> 195
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 195
Ala Thr Pro Gln Asp Leu Asn Thr Met
1 5

<210> 196
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 196
Arg Pro Asn Asn Asn Thr Arg Lys Ser Ile
1 5 10

<210> 197
<211> 9
<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 197

Ile Pro Arg Arg Ile Arg Gln Gly Leu
1 5

<210> 198

<211> 9

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 198

Glu Leu Arg Ser Leu Tyr Asn Thr Val
1 5

<210> 199

<211> 8

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 199

Trp Pro Thr Val Arg Glu Arg Met
1 5

<210> 200

<211> 8

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 200

Phe Leu Lys Glu Lys Gly Gly Leu
1 5

<210> 201

<211> 10

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 201

Lys Ile Arg Leu Arg Pro Gly Gly Lys Lys
1 5 10

<210> 202

<211> 9

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 202

Ile Arg Leu Arg Pro Gly Gly Lys Lys
1 5

<210> 203
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 203
Gly Arg Arg Gly Trp Glu Ala Leu Lys Tyr
1 5 10

<210> 204
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 204
Gln Val Pro Leu Arg Pro Met Thr Tyr Lys
1 5 10

<210> 205
<211> 8
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 205
Arg Tyr Leu Lys Asp Gln Gln Leu
1 5

<210> 206
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 206
Arg Arg Gln Asp Ile Leu Asp Leu Trp Ile
1 5 10

<210> 207
<211> 8
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 207
Arg Tyr Pro Leu Thr Phe Gly Trp
1 5

<210> 208
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 208
Trp Ala Ser Arg Glu Leu Glu Arg Phe

1

5

<210> 209
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 209
Thr Val Leu Asp Val Gly Asp Ala Tyr
1 5

<210> 210
<211> 11
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 210
Val Pro Val Trp Lys Glu Ala Thr Thr Thr Leu
1 5 10

<210> 211
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 211
Asn Ser Ser Lys Val Ser Gln Asn Tyr
1 5

<210> 212
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 212
Pro Pro Ile Pro Val Gly Asp Ile Tyr
1 5

<210> 213
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 213
His Pro Asp Ile Val Ile Tyr Gln Tyr
1 5

<210> 214
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 214
 Thr Ala Val Pro Trp Asn Ala Ser Trp
 1 5

<210> 215
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 215
 Asn Pro Val Pro Val Gly Asn Ile Tyr
 1 5

<210> 216
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 216
 Tyr Phe Pro Asp Trp Gln Asn Tyr Thr
 1 5

<210> 217
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 217
 Gly His Gln Ala Ala Met Gln Met Leu
 1 5

<210> 218
 <211> 10
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 218
 Arg Leu Arg Pro Gly Gly Lys Lys Lys Tyr
 1 5 10

<210> 219
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 219
 Tyr Pro Gly Ile Lys Val Arg Gln Leu
 1 5

<210> 220

<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 220
Gly Ala Glu Thr Phe Tyr Val Asp Gly Ala
1 5 10

<210> 221
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 221
Asn Ala Asn Pro Asp Cys Lys Thr Ile
1 5

<210> 222
<211> 8
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 222
Arg Met Tyr Ser Pro Thr Ser Ile
1 5

<210> 223
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 223
Val Pro Val Trp Lys Glu Ala Thr Thr Thr
1 5 10

<210> 224
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 224
Ile Ser Pro Arg Thr Leu Asn Ala Trp
1 5

<210> 225
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 225
Thr Ser Thr Leu Gln Glu Gln Ile Gly Trp
1 5 10

<210> 226
<211> 11
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 226
Lys Ala Phe Ser Pro Glu Val Ile Pro Met Phe
1 5 10

<210> 227
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 227
Gln Ala Ser Gln Glu Val Lys Asn Trp
1 5

<210> 228
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 228
Gln Ala Ser Gln Asp Val Lys Asn Trp
1 5

<210> 229
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 229
His Thr Gln Gly Tyr Phe Pro Asp Trp Gln
1 5 10

<210> 230
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 230
Tyr Phe Pro Asp Trp Gln Asn Tyr Thr
1 5

<210> 231
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 231
 Thr Ser Thr Leu Gln Glu Gln Ile Gly Trp
 1 5 10

<210> 232
 <211> 10
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 232
 Arg Leu Arg Pro Gly Gly Lys Lys Lys Tyr
 1 5 10

<210> 233
 <211> 10
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 233
 Leu Gly Leu Asn Lys Ile Val Arg Met Tyr
 1 5 10

<210> 234
 <211> 12
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 234
 Leu Val Gly Lys Leu Asn Trp Ala Ser Gln Ile Tyr
 1 5 10

<210> 235
 <211> 10
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 235
 Ile Leu Lys Glu Pro Val His Gly Val Tyr
 1 5 10

<210> 236
 <211> 11
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 236
 Thr Gln Gly Tyr Phe Pro Asp Trp Gln Asn Tyr
 1 5 10

<210> 237
 <211> 8

<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 237
Ala Val Asp Leu Ser His Phe Leu
1 5

<210> 238
<211> 8
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 238
Val Ile Pro Met Phe Ser Ala Leu
1 5

<210> 239
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 239
Phe Asn Cys Gly Gly Glu Phe Phe Tyr
1 5

<210> 240
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 240
Ser Phe Asn Cys Gly Gly Glu Phe Phe
1 5

<210> 241
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 241
Pro Leu Thr Phe Gly Trp Cys Tyr Lys Leu
1 5 10

<210> 242
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 242
Val Leu Glu Trp Arg Phe Asp Ser Arg Leu
1 5 10

<210> 243
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 243
Phe Pro Val Thr Pro Gln Val Pro Leu Arg
1 5 10

<210> 244
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 244
Thr Pro Gly Pro Gly Val Arg Tyr Pro Leu
1 5 10

<210> 245
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 245
Gln Ala Ser Gln Glu Val Lys Asn Trp
1 5

<210> 246
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 246
Val Pro Leu Asp Glu Asp Phe Arg Lys Tyr
1 5 10

<210> 247
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus

<400> 247
Asn Pro Asp Ile Val Ile Tyr Gln Tyr
1 5

<210> 248
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus

<400> 248

Arg Ala Ile Glu Ala Gln Ala His Leu
1 5

<210> 249
<211> 8
<212> PRT
<213> Homo Sapiens immunodeficiency virus

<400> 249
Thr Ala Phe Thr Ile Pro Ser Ile
1 5

<210> 250
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus

<400> 250
Val His Pro Val His Ala Gly Pro Ile Ala
1 5 10

<210> 251
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus

<400> 251
Asn Cys Ser Phe Asn Ile Ser Thr Ser Ile
1 5 10

<210> 252
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus

<400> 252
Cys Thr Asn Val Ser Thr Val Gln Cys
1 5

<210> 253
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus

<400> 253
Ile Gly Pro Gly Arg Ala Phe His Thr
1 5

<210> 254
<211> 9
<212> PRT

<213> Homo Sapiens immunodeficiency virus

<400> 254

Asn Pro Asp Ile Val Ile Tyr Gln Tyr
1 5

<210> 255

<211> 10

<212> PRT

<213> Homo Sapiens immunodeficiency virus

<400> 255

Glu Pro Ile Val Gly Ala Glu Thr Phe Tyr
1 5 10

<210> 256

<211> 9

<212> PRT

<213> Homo Sapiens immunodeficiency virus

<400> 256

Glu Pro Ile Val Gly Ala Glu Thr Phe
1 5

<210> 257

<211> 9

<212> PRT

<213> Homo Sapiens immunodeficiency virus

<400> 257

Ser Pro Ala Ile Phe Gln Ser Ser Met
1 5

<210> 258

<211> 10

<212> PRT

<213> Homo Sapiens immunodeficiency virus

<400> 258

Val Pro Leu Asp Lys Asp Phe Arg Lys Tyr
1 5 10

<210> 259

<211> 9

<212> PRT

<213> Homo Sapiens immunodeficiency virus

<400> 259

Ile Pro Leu Thr Glu Glu Ala Glu Leu
1 5

<210> 260
 <211> 11
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus

 <400> 260
 Arg Pro Gln Val Pro Leu Arg Pro Met Thr Tyr
 1 5 10

<210> 261
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus

<400> 261
 Phe Pro Val Arg Pro Gln Val Pro Leu
 1 5

<210> 262
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus

<400> 262
 Asp Pro Asn Pro Gln Glu Val Val Leu
 1 5

<210> 263
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus

<400> 263
 Arg Pro Ile Val Ser Thr Gln Leu Leu
 1 5

<210> 264
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus

<400> 264
 Ile Pro Leu Thr Glu Glu Ala Glu Leu
 1 5

<210> 265
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus

<400> 265
 Asp Pro Asn Pro Gln Glu Val Val Leu

1 5

 <210> 266
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 2

 <400> 266
 Ala Met Gln Met Leu Lys Glu Thr Ile
 1 5

 <210> 267
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 2

 <400> 267
 Thr Pro Tyr Asp Ile Asn Gln Met Leu
 1 5

 <210> 268
 <211> 10
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

 <400> 268
 Arg Arg Trp Ile Gln Leu Gly Leu Gln Lys
 1 5 10

 <210> 269
 <211> 15
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

 <400> 269
 Gly Ile Trp Gly Cys Ser Gly Lys Leu Ile Cys Thr Thr Ala Val
 1 5 10 15

 <210> 270
 <211> 15
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

 <400> 270
 Ala Leu Ile Trp Glu Asp Leu Arg Ser Leu Cys Leu Phe Ser Tyr
 1 5 10 15

 <210> 271
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 6b

<400> 271
 Gly Leu His Cys Tyr Glu Gln Leu Val
 1 5

<210> 272
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 6b

<400> 272
 Pro Leu Lys Gln His Phe Gln Ile Val
 1 5

<210> 273
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 11

<400> 273
 Arg Leu Val Thr Leu Lys Asp Ile Val
 1 5

<210> 274
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 16

<400> 274
 Thr Leu Gly Ile Val Cys Pro Ile Cys
 1 5

<210> 275
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 16

<400> 275
 Gly Thr Leu Gly Ile Val Cys Pro Ile
 1 5

<210> 276
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 16

<400> 276
 Met Leu Asp Leu Gln Pro Glu Thr Thr
 1 5

<210> 277

<211> 10
<212> PRT
<213> Homo Sapiens papillomavirus type 16

<400> 277
Tyr Met Leu Asp Leu Gln Pro Glu Thr Thr
1 5 10

<210> 278
<211> 8
<212> PRT
<213> Homo Sapiens papillomavirus type 16

<400> 278
Arg Pro Arg Lys Leu Pro Gln Leu
1 5

<210> 279
<211> 9
<212> PRT
<213> Homo Sapiens papillomavirus type 16

<400> 279
Arg Ala His Tyr Asn Ile Val Thr Phe
1 5

<210> 280
<211> 8
<212> PRT
<213> HSV

<400> 280
Ser Ser Ile Glu Phe Ala Arg Leu
1 5

<210> 281
<211> 9
<212> PRT
<213> HSV-1

<400> 281
Gly Ile Gly Ile Gly Val Leu Ala Ala
1 5

<210> 282
<211> 9
<212> PRT
<213> HSV-1

<400> 282
Asp Tyr Ala Thr Leu Gly Val Gly Val
1 5

<210> 283
<211> 11
<212> PRT
<213> HSV-1

<400> 283
Leu Tyr Arg Thr Phe Ala Gly Asn Pro Arg Ala
1 5 10

<210> 284
<211> 8
<212> PRT
<213> HSV-1

<400> 284
Gln Thr Phe Asp Phe Gly Arg Leu
1 5

<210> 285
<211> 9
<212> PRT
<213> HSV-2

<400> 285
Gly Ala Gly Ile Gly Val Ala Val Leu
1 5

<210> 286
<211> 9
<212> PRT
<213> Homo sapiens T-cell lymphotropic virus type 1

<400> 286
Leu Leu Phe Gly Tyr Pro Val Tyr Val
1 5

<210> 287
<211> 9
<212> PRT
<213> Haemophilus influenzae

<400> 287
Gly Ile Leu Gly Phe Val Phe Thr Leu
1 5

<210> 288
<211> 10
<212> PRT
<213> haemophilus influenzae

<400> 288
Ile Leu Gly Phe Val Phe Thr Leu Thr Val
1 5 10

<210> 289
<211> 9
<212> PRT
<213> haemophilus influenzae

<400> 289
Ile Leu Arg Gly Ser Val Ala His Lys
1 5

<210> 290
<211> 9
<212> PRT
<213> haemophilus influenzae

<400> 290
Lys Thr Gly Gly Pro Ile Tyr Lys Arg
1 5

<210> 291
<211> 9
<212> PRT
<213> haemophilus influenzae

<400> 291
Glu Leu Arg Ser Arg Tyr Trp Ala Ile
1 5

<210> 292
<211> 8
<212> PRT
<213> haemophilus influenzae

<400> 292
Leu Arg Ser Arg Tyr Trp Ala Ile
1 5

<210> 293
<211> 9
<212> PRT
<213> haemophilus influenzae

<400> 293
Glu Asp Leu Arg Val Leu Ser Phe Ile
1 5

<210> 294
<211> 9

<212> PRT
 <213> haemophilus influenzae

 <400> 294
 Gly Glu Ile Ser Pro Leu Pro Ser Leu
 1 5

 <210> 295
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 295
 Phe Glu Asp Leu Arg Val Leu Ser Phe
 1 5

 <210> 296
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 296
 Val Ser Asp Gly Gly Pro Asn Leu Tyr
 1 5

 <210> 297
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 297
 Cys Thr Glu Leu Lys Leu Ser Asp Tyr
 1 5

 <210> 298
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 298
 Ala Ile Met Asp Lys Asn Ile Ile Leu
 1 5

 <210> 299
 <211> 10
 <212> PRT
 <213> haemophilus influenzae

 <400> 299
 Ile Met Asp Lys Asn Ile Ile Leu Lys Ala
 1 5 10

<210> 300
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 300
 Ser Arg Tyr Trp Ala Ile Arg Thr Arg
 1 5

 <210> 301
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 301
 Thr Tyr Gln Arg Thr Arg Ala Leu Val
 1 5

 <210> 302
 <211> 10
 <212> PRT
 <213> haemophilus influenzae

 <400> 302
 Thr Tyr Val Ser Val Ser Thr Ser Thr Leu
 1 5 10

 <210> 303
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 303
 Ile Tyr Ser Thr Val Ala Ser Ser Leu
 1 5

 <210> 304
 <211> 8
 <212> PRT
 <213> haemophilus influenzae

 <400> 304
 Phe Glu Ala Asn Gly Asn Leu Ile
 1 5

 <210> 305
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 305

Ile Glu Gly Gly Trp Thr Gly Met Ile
1 5

<210> 306
<211> 8
<212> PRT
<213> haemophilus influenzae

<400> 306
Ser Asp Tyr Glu Gly Arg Leu Ile
1 5

<210> 307
<211> 9
<212> PRT
<213> haemophilus influenzae

<400> 307
Glu Glu Gly Ala Ile Val Gly Glu Ile
1 5

<210> 308
<211> 9
<212> PRT
<213> haemophilus influenzae

<400> 308
Ala Ser Asn Glu Asn Met Glu Thr Met
1 5

<210> 309
<211> 9
<212> PRT
<213> haemophilus influenzae

<400> 309
Ala Ser Asn Glu Asn Met Asp Ala Met
1 5

<210> 310
<211> 10
<212> PRT
<213> haemophilus influenzae

<400> 310
Lys Leu Gly Glu Phe Tyr Asn Gln Met Met
1 5 10

<210> 311
<211> 10
<212> PRT

<213> haemophilus influenzae

<400> 311

Lys Ala Gly Glu Phe Tyr Asn Gln Met Met
1 5 10

<210> 312

<211> 9

<212> PRT

<213> haemophilus influenzae

<400> 312

Leu Tyr Gln Asn Val Gly Thr Tyr Val
1 5

<210> 313

<211> 10

<212> PRT

<213> haemophilus influenzae

<400> 313

Thr Tyr Val Ser Val Gly Thr Ser Thr Leu
1 5 10

<210> 314

<211> 9

<212> PRT

<213> haemophilus influenzae

<400> 314

Val Tyr Gln Ile Leu Ala Ile Tyr Ala
1 5

<210> 315

<211> 9

<212> PRT

<213> haemophilus influenzae

<400> 315

Ile Tyr Ala Thr Val Ala Gly Ser Leu
1 5

<210> 316

<211> 10

<212> PRT

<213> haemophilus influenzae

<400> 316

Thr Tyr Val Ser Val Gly Thr Ser Thr Ile
1 5 10

<210> 317
<211> 8
<212> PRT
<213> Haemophilus influenzae

<400> 317
Phe Glu Ser Thr Gly Asn Leu Ile
1 5

<210> 318
<211> 9
<212> PRT
<213> JHNV

<400> 318
Ala Pro Thr Ala Gly Ala Phe Phe Phe
1 5

<210> 319
<211> 9
<212> PRT
<213> LCMV

<400> 319
Arg Pro Gln Ala Ser Gly Val Tyr Met
1 5

<210> 320
<211> 9
<212> PRT
<213> LCMV

<400> 320
Phe Gln Pro Gln Asn Gly Gln Phe Ile
1 5

<210> 321
<211> 11
<212> PRT
<213> LCMV

<400> 321
Ser Gly Val Glu Asn Pro Gly Gly Tyr Cys Leu
1 5 10

<210> 322
<211> 10
<212> PRT
<213> LCMV

<400> 322
Lys Ala Val Tyr Asn Phe Ala Thr Cys Gly

1 5 10

<210> 323
<211> 9
<212> PRT
<213> MCMV

<400> 323
Tyr Pro His Phe Met Pro Thr Asn Leu
1 5

<210> 324
<211> 9
<212> PRT
<213> MHV

<400> 324
Cys Leu Ser Trp Asn Gly Pro His Leu
1 5

<210> 325
<211> 9
<212> PRT
<213> MMTV

<400> 325
Ser Phe Ala Val Ala Thr Thr Ala Leu
1 5

<210> 326
<211> 9
<212> PRT
<213> MMTV

<400> 326
Ser Tyr Glu Thr Phe Ile Ser Arg Leu
1 5

<210> 327
<211> 8
<212> PRT
<213> MMTV

<400> 327
Ala Asn Tyr Asp Phe Ile Cys Val
1 5

<210> 328
<211> 8
<212> PRT
<213> Murine Leukemia virus

<400> 328
Lys Ser Pro Trp Phe Thr Thr Leu
1 5

<210> 329
<211> 8
<212> PRT
<213> Murine leukemia virus

<400> 329
Ser Ser Trp Asp Phe Ile Thr Val
1 5

<210> 330
<211> 9
<212> PRT
<213> Murine leukemia virus

<400> 330
Cys Cys Leu Cys Leu Thr Val Phe Leu
1 5

<210> 331
<211> 9
<212> PRT
<213> Polio virus

<400> 331
Ser Pro Ser Tyr Val Tyr His Gln Phe
1 5

<210> 332
<211> 11
<212> PRT
<213> Polio virus

<400> 332
Ser Arg Arg Tyr Pro Asp Ala Val Tyr Leu His
1 5 10

<210> 333
<211> 9
<212> PRT
<213> MV

<400> 333
Arg Arg Tyr Pro Asp Ala Val Tyr Leu
1 5

<210> 334

<211> 9
<212> PRT
<213> MV

<400> 334
Tyr Pro Ala Leu Gly Leu His Glu Phe
1 5

<210> 335
<211> 9
<212> PRT
<213> Rotavirus sp.

<400> 335
Asp Pro Val Ile Asp Arg Leu Tyr Leu
1 5

<210> 336
<211> 9
<212> PRT
<213> Rotavirus sp.

<400> 336
Ser Pro Gly Arg Ser Phe Ser Tyr Phe
1 5

<210> 337
<211> 8
<212> PRT
<213> Rotavirus sp.

<400> 337
Thr Tyr Lys Asp Thr Val Gln Leu
1 5

<210> 338
<211> 10
<212> PRT
<213> Polio virus

<400> 338
Phe Tyr Asp Gly Phe Ser Lys Val Pro Leu
1 5 10

<210> 339
<211> 9
<212> PRT
<213> Pseudorabies virus

<400> 339
Ile Ala Gly Ile Gly Ile Leu Ala Ile
1 5

<210> 340

<211> 9

<212> PRT

<213> SV

<400> 340

Val Glu Ala Glu Ile Ala His Gln Ile

1

5

<210> 341

<211> 8

<212> PRT

<213> SV

<400> 341

Ile Ile Tyr Arg Phe Leu Leu Ile

1

5

<210> 342

<211> 9

<212> PRT

<213> Simian Virus 40

<400> 342

Val Gly Pro Val Phe Pro Pro Gly Met

1

5

<210> 343

<211> 9

<212> PRT

<213> Simian Virus 40

<400> 343

Tyr Ser Gly Tyr Ile Phe Arg Asp Leu

1

5

<210> 344

<211> 9

<212> PRT

<213> Simian Virus 40

<400> 344

Ser Tyr Ile Gly Ser Ile Asn Asn Ile

1

5

<210> 345

<211> 12

<212> PRT

<213> Simian Virus 40

<400> 345
Glu Gly Cys Thr Pro Tyr Asp Ile Asn Gln Met Leu
1 5 10

<210> 346
<211> 9
<212> PRT
<213> Simian Virus 40

<400> 346
Phe Ala Pro Gly Asn Tyr Pro Ala Leu
1 5

<210> 347
<211> 8
<212> PRT
<213> Simian Virus 40

<400> 347
Val Val Tyr Asp Phe Leu Lys Cys
1 5

<210> 348
<211> 10
<212> PRT
<213> Simian Virus 40

<400> 348
Ser Ala Ile Asn Asn Tyr Ala Gln Lys Leu
1 5 10

<210> 349
<211> 9
<212> PRT
<213> Simian Virus 40

<400> 349
Cys Lys Gly Val Asn Lys Glu Tyr Leu
1 5

<210> 350
<211> 9
<212> PRT
<213> Simian Virus 40

<400> 350
Gln Gly Ile Asn Asn Leu Asp Asn Leu
1 5

<210> 351
<211> 9

<212> PRT
 <213> Simian Virus 40

 <400> 351
 Asn Asn Leu Asp Asn Leu Arg Asp Tyr
 1 5

 <210> 352
 <211> 9
 <212> PRT
 <213> Haemophilus influenzae

 <400> 352
 Ser Glu Phe Leu Leu Glu Lys Arg Ile
 1 5

 <210> 353
 <211> 8
 <212> PRT
 <213> Haemophilus influenzae

 <400> 353
 Arg Gly Tyr Val Tyr Gln Gly Leu
 1 5

 <210> 354
 <211> 9
 <212> PRT
 <213> Homo Sapiens

 <400> 354
 Glu Ala Asp Pro Thr Gly His Ser Tyr
 1 5

 <210> 355
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 355
 Val Ser Asp Gly Gly Pro Asn Leu Tyr
 1 5

 <210> 356
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 356
 Cys Thr Glu Leu Lys Leu Ser Asp Tyr
 1 5

<210> 357
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 357
Glu Val Asp Pro Ile Gly His Leu Tyr
1 5

<210> 358
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 358
Met Leu Leu Ser Val Pro Leu Leu Leu Gly
1 5 10

<210> 359
<211> 9
<212> PRT
<213> Hepatitis B virus

<220>
<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 359
Ser Thr Asx Xaa Gln Ser Gly Xaa Gln
1 5

<210> 360
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 360
Tyr Met Asp Gly Thr Met Ser Gln Val
1 5

<210> 361
<211> 9
<212> PRT
<213> Homo sapiens immunodeficiency virus type 1

<400> 361
Ile Leu Lys Glu Pro Val His Gly Val
1 5

<210> 362

<211> 10
 <212> PRT
 <213> Haemophilus influenzae

 <400> 362
 Ile Leu Gly Phe Val Phe Thr Leu Thr Val
 1 5 10

 <210> 363
 <211> 9
 <212> PRT
 <213> HTLV-1

 <400> 363
 Leu Leu Phe Gly Tyr Pro Val Tyr Val
 1 5

 <210> 364
 <211> 10
 <212> PRT
 <213> Hepatitis B virus

 <400> 364
 Gly Leu Ser Pro Thr Val Trp Leu Ser Val
 1 5 10

 <210> 365
 <211> 9
 <212> PRT
 <213> Hepatitis B virus

 <400> 365
 Trp Leu Ser Leu Leu Val Pro Phe Val
 1 5

 <210> 366
 <211> 10
 <212> PRT
 <213> Hepatitis B virus

 <400> 366
 Phe Leu Pro Ser Asp Phe Phe Pro Ser Val
 1 5 10

 <210> 367
 <211> 9
 <212> PRT
 <213> EBV

 <400> 367
 Cys Leu Gly Gly Leu Leu Thr Met Val
 1 5

<210> 368
 <211> 11
 <212> PRT
 <213> Homo Sapiens cytomegalovirus

 <400> 368
 Phe Leu Ala Gly Asn Ser Ala Tyr Glu Tyr Val
 1 5 10

<210> 369
 <211> 10
 <212> PRT
 <213> Haemophilus influenzae

<400> 369
 Lys Leu Gly Glu Phe Tyr Asn Gln Met Met
 1 5 10

<210> 370
 <211> 10
 <212> PRT
 <213> Hepatitis C virus

<400> 370
 Lys Leu Val Ala Leu Gly Ile Asn Ala Val
 1 5 10

<210> 371
 <211> 9
 <212> PRT
 <213> Hepatitis C virus

<400> 371
 Asp Leu Met Gly Tyr Ile Pro Leu Val
 1 5

<210> 372
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 11

<400> 372
 Arg Leu Val Thr Leu Lys Asp Ile Val
 1 5

<210> 373
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 373
Met Leu Leu Ala Val Leu Tyr Cys Leu
1 5

<210> 374
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 374
Ala Ala Gly Ile Gly Ile Leu Thr Val
1 5

<210> 375
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 375
Tyr Leu Glu Pro Gly Pro Val Thr Ala
1 5

<210> 376
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 376
Ile Leu Asp Gly Thr Ala Thr Leu Arg Leu
1 5 10

<210> 377
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 377
Leu Leu Asp Gly Thr Ala Thr Leu Arg Leu
1 5 10

<210> 378
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 378
Ile Thr Asp Gln Val Pro Phe Ser Val
1 5

<210> 379
<211> 9

<212> PRT
<213> Homo Sapiens

<400> 379
Lys Thr Trp Gly Gln Tyr Trp Gln Val
1 5

<210> 380
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 380
Thr Ile Thr Asp Gln Val Pro Phe Ser Val
1 5 10

<210> 381
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 381
Ala Phe His His Val Ala Arg Glu Leu
1 5

<210> 382
<211> 9
<212> PRT
<213> Plasmodium falciparum

<400> 382
Tyr Leu Asn Lys Ile Gln Asn Ser Leu
1 5

<210> 383
<211> 10
<212> PRT
<213> Plasmodium falciparum

<400> 383
Met Met Arg Lys Leu Ala Ile Leu Ser Val
1 5 10

<210> 384
<211> 10
<212> PRT
<213> haemophilus influenzae

<400> 384
Lys Ala Gly Glu Phe Tyr Asn Gln Met Met
1 5 10

<210> 385

<211> 9

<212> PRT

<213> EBV

<400> 385

Asn Ile Ala Glu Gly Leu Arg Ala Leu

1

5

<210> 386

<211> 9

<212> PRT

<213> EBV

<400> 386

Asn Leu Arg Arg Gly Thr Ala Leu Ala

1

5

<210> 387

<211> 9

<212> PRT

<213> EBV

<400> 387

Ala Leu Ala Ile Pro Gln Cys Arg Leu

1

5

<210> 388

<211> 9

<212> PRT

<213> EBV

<400> 388

Val Leu Lys Asp Ala Ile Lys Asp Leu

1

5

<210> 389

<211> 9

<212> PRT

<213> EBV

<400> 389

Phe Met Val Phe Ile Gln Thr His Ile

1

5

<210> 390

<211> 9

<212> PRT

<213> EBV

<400> 390

His Leu Ile Val Asp Thr Asp Ser Leu
1 5

<210> 391
<211> 9
<212> PRT
<213> EBV

<400> 391
Ser Leu Gly Asn Pro Ser Leu Ser Val
1 5

<210> 392
<211> 9
<212> PRT
<213> EBV

<400> 392
Pro Leu Ala Ser Ala Met Arg Met Leu
1 5

<210> 393
<211> 9
<212> PRT
<213> EBV

<400> 393
Arg Met Leu Trp Met Ala Asn Tyr Ile
1 5

<210> 394
<211> 9
<212> PRT
<213> EBV

<400> 394
Met Leu Trp Met Ala Asn Tyr Ile Val
1 5

<210> 395
<211> 9
<212> PRT
<213> EBV

<400> 395
Ile Leu Pro Gln Gly Pro Gln Thr Ala
1 5

<210> 396
<211> 9
<212> PRT

<213> EBV

<400> 396

Pro Leu Arg Pro Thr Ala Pro Thr Ile
1 5

<210> 397

<211> 9

<212> PRT

<213> EBV

<400> 397

Pro Leu Pro Pro Ala Thr Leu Thr Val
1 5

<210> 398

<211> 9

<212> PRT

<213> EBV

<400> 398

Arg Met His Leu Pro Val Leu His Val
1 5

<210> 399

<211> 9

<212> PRT

<213> EBV

<400> 399

Pro Met Pro Leu Pro Pro Ser Gln Leu
1 5

<210> 400

<211> 9

<212> PRT

<213> EBV

<400> 400

Gln Leu Pro Pro Pro Ala Ala Pro Ala
1 5

<210> 401

<211> 9

<212> PRT

<213> EBV

<400> 401

Ser Met Pro Glu Leu Ser Pro Val Leu
1 5

<210> 402
<211> 9
<212> PRT
<213> EBV

<400> 402
Asp Leu Asp Glu Ser Trp Asp Tyr Ile
1 5

<210> 403
<211> 9
<212> PRT
<213> EBV

<400> 403
Pro Leu Pro Cys Val Leu Trp Pro Val
1 5

<210> 404
<211> 9
<212> PRT
<213> EBV

<400> 404
Ser Leu Glu Glu Cys Asp Ser Glu Leu
1 5

<210> 405
<211> 9
<212> PRT
<213> EBV

<400> 405
Glu Ile Lys Arg Tyr Lys Asn Arg Val
1 5

<210> 406
<211> 9
<212> PRT
<213> EBV

<400> 406
Gln Leu Leu Gln His Tyr Arg Glu Val
1 5

<210> 407
<211> 9
<212> PRT
<213> EBV

<400> 407
Leu Leu Gln His Tyr Arg Glu Val Ala

1 5

 <210> 408
 <211> 9
 <212> PRT
 <213> EBV

 <400> 408
 Leu Leu Lys Gln Met Cys Pro Ser Leu
 1 5

 <210> 409
 <211> 9
 <212> PRT
 <213> EBV

 <400> 409
 Ser Ile Ile Pro Arg Thr Pro Asp Val
 1 5

 <210> 410
 <211> 9
 <212> PRT
 <213> haemophilus influenzae

 <400> 410
 Ala Ile Met Asp Lys Asn Ile Ile Leu
 1 5

 <210> 411
 <211> 10
 <212> PRT
 <213> Haemophilus influenzae

 <400> 411
 Ile Met Asp Lys Asn Ile Ile Leu Lys Ala
 1 5 10

 <210> 412
 <211> 10
 <212> PRT
 <213> Hepatitis C virus

 <400> 412
 Leu Leu Ala Leu Leu Ser Cys Leu Thr Val
 1 5 10

 <210> 413
 <211> 8
 <212> PRT
 <213> Hepatitis C virus

<400> 413
Ile Leu His Thr Pro Gly Cys Val
1 5

<210> 414
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 414
Gln Leu Arg Arg His Ile Asp Leu Leu Val
1 5 10

<210> 415
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 415
Asp Leu Cys Gly Ser Val Phe Leu Val
1 5

<210> 416
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 416
Ser Met Val Gly Asn Trp Ala Lys Val
1 5

<210> 417
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 417
His Leu His Gln Asn Ile Val Asp Val
1 5

<210> 418
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 418
Phe Leu Leu Leu Ala Asp Ala Arg Val
1 5

<210> 419

<211> 13
<212> PRT
<213> Hepatitis C virus

<400> 419
Gly Leu Arg Asp Leu Ala Val Ala Val Glu Pro Val Val
1 5 10

<210> 420
<211> 11
<212> PRT
<213> Hepatitis C virus

<400> 420
Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val
1 5 10

<210> 421
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 421
Leu Leu Ala Pro Gly Ala Lys Gln Asn Val
1 5 10

<210> 422
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 422
Phe Leu Leu Ser Leu Gly Ile His Leu
1 5

<210> 423
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 423
Ser Leu Tyr Ala Asp Ser Pro Ser Val
1 5

<210> 424
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 424
Gly Leu Ser Arg Tyr Val Ala Arg Leu
1 5

<210> 425
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 425
Lys Ile Phe Gly Ser Leu Ala Phe Leu
1 5

<210> 426
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 426
Glu Leu Val Ser Glu Phe Ser Arg Met
1 5

<210> 427
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 427
Lys Leu Thr Pro Leu Cys Val Thr Leu
1 5

<210> 428
<211> 10
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 428
Ser Leu Leu Asn Ala Thr Asp Ile Ala Val
1 5 10

<210> 429
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 429
Val Leu Tyr Arg Tyr Gly Ser Phe Ser Val
1 5 10

<210> 430
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 430
Tyr Ile Gly Glu Val Leu Val Ser Val
1 5

<210> 431
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 431
Leu Leu Phe Asn Ile Leu Gly Gly Trp Val
1 5 10

<210> 432
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 432
Leu Leu Val Pro Phe Val Gln Trp Phe Trp
1 5 10

<210> 433
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 433
Ala Leu Met Pro Leu Tyr Ala Cys Ile
1 5

<210> 434
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 434
Tyr Leu Val Ala Tyr Gln Ala Thr Val
1 5

<210> 435
<211> 9
<212> PRT
<213> Homo Sapiens papillomavirus type 16

<400> 435
Thr Leu Gly Ile Val Cys Pro Ile Cys
1 5

<210> 436
<211> 10

<212> PRT
<213> Hepatitis C virus

<400> 436
Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu
1 5 10

<210> 437
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 437
Leu Leu Pro Ile Phe Phe Cys Leu Trp Val
1 5 10

<210> 438
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 438
Tyr Met Asp Asp Val Val Leu Gly Ala
1 5

<210> 439
<211> 9
<212> PRT
<213> Homo Sapiens papillomavirus type 16

<400> 439
Gly Thr Leu Gly Ile Val Cys Pro Ile
1 5

<210> 440
<211> 10
<212> PRT
<213> Hepatitis C virus

<400> 440
Leu Leu Ala Leu Leu Ser Cys Leu Thr Ile
1 5 10

<210> 441
<211> 9
<212> PRT
<213> Homo Sapiens papillomavirus type 16

<400> 441
Met Leu Asp Leu Gln Pro Glu Thr Thr
1 5

<210> 442
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 442
Ser Leu Met Ala Phe Thr Ala Ala Val
1 5

<210> 443
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 443
Cys Ile Asn Gly Val Cys Trp Thr Val
1 5

<210> 444
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 444
Val Met Asn Ile Leu Leu Gln Tyr Val Val
1 5 10

<210> 445
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 445
Ile Leu Thr Val Ile Leu Gly Val Leu
1 5

<210> 446
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 446
Phe Leu Trp Gly Pro Arg Ala Leu Val
1 5

<210> 447
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 447

Leu Leu Cys Pro Ala Gly His Ala Val
1 5

<210> 448
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 448
Ile Leu Asp Ser Phe Asp Pro Leu Val
1 5

<210> 449
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 449
Leu Leu Leu Cys Leu Ile Phe Leu Leu
1 5

<210> 450
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 450
Leu Ile Asp Tyr Gln Gly Met Leu Pro Val
1 5 10

<210> 451
<211> 10
<212> PRT
<213> Hepatitis B virus

<400> 451
Ser Ile Val Ser Pro Phe Ile Pro Leu Leu
1 5 10

<210> 452
<211> 9
<212> PRT
<213> Hepatitis B virus

<400> 452
Phe Leu Leu Thr Arg Ile Leu Thr Ile
1 5

<210> 453
<211> 9
<212> PRT

<213> Plasmodium falciparum

<400> 453

His Leu Gly Asn Val Lys Tyr Leu Val
1 5

<210> 454

<211> 9

<212> PRT

<213> Plasmodium falciparum

<400> 454

Gly Ile Ala Gly Gly Leu Ala Leu Leu
1 5

<210> 455

<211> 9

<212> PRT

<213> Hepatitis C virus

<400> 455

Ile Leu Ala Gly Tyr Gly Ala Gly Val
1 5

<210> 456

<211> 9

<212> PRT

<213> Hepatitis C virus

<400> 456

Gly Leu Gln Asp Cys Thr Met Leu Val
1 5

<210> 457

<211> 10

<212> PRT

<213> Hepatitis C virus

<400> 457

Thr Gly Ala Pro Val Thr Tyr Ser Thr Tyr
1 5 10

<210> 458

<211> 9

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 458

Val Ile Tyr Gln Tyr Met Asp Asp Leu
1 5

<210> 459
 <211> 10
 <212> PRT
 <213> Homo Sapiens

 <400> 459
 Val Leu Pro Asp Val Phe Ile Arg Cys Val
 1 5 10

<210> 460
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 460
 Val Leu Pro Asp Val Phe Ile Arg Cys
 1 5

<210> 461
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 461
 Ala Val Gly Ile Gly Ile Ala Val Val
 1 5

<210> 462
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 462
 Leu Val Val Leu Gly Leu Leu Ala Val
 1 5

<210> 463
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 463
 Ala Leu Gly Leu Gly Leu Leu Pro Val
 1 5

<210> 464
 <211> 9
 <212> PRT
 <213> HSV-2

<400> 464
 Gly Ala Gly Ile Gly Val Ala Val Leu

1 5

<210> 465
<211> 9
<212> PRT
<213> Pseudorabies virus

<400> 465
Ile Ala Gly Ile Gly Ile Leu Ala Ile
1 5

<210> 466
<211> 9
<212> PRT
<213> Adenovirus 3

<400> 466
Leu Ile Val Ile Gly Ile Leu Ile Leu
1 5

<210> 467
<211> 9
<212> PRT
<213> S. lincolnensis

<400> 467
Leu Ala Gly Ile Gly Leu Ile Ala Ala
1 5

<210> 468
<211> 9
<212> PRT
<213> Yeast

<400> 468
Val Asp Gly Ile Gly Ile Leu Thr Ile
1 5

<210> 469
<211> 9
<212> PRT
<213> B. polymyxa

<400> 469
Gly Ala Gly Ile Gly Val Leu Thr Ala
1 5

<210> 470
<211> 9
<212> PRT
<213> Escherichia coli

<400> 470
 Ala Ala Gly Ile Gly Ile Ile Gln Ile
 1 5

<210> 471
 <211> 9
 <212> PRT
 <213> Escherichia coli

<400> 471
 Gln Ala Gly Ile Gly Ile Leu Leu Ala
 1 5

<210> 472
 <211> 11
 <212> PRT
 <213> Homo Sapiens

<400> 472
 Lys Ala Arg Asp Pro His Ser Gly His Phe Val
 1 5 10

<210> 473
 <211> 11
 <212> PRT
 <213> Homo Sapiens

<400> 473
 Lys Ala Cys Asp Pro His Ser Gly His Phe Val
 1 5 10

<210> 474
 <211> 10
 <212> PRT
 <213> Homo Sapiens

<400> 474
 Ala Cys Asp Pro His Ser Gly His Phe Val
 1 5 10

<210> 475
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 475
 Ser Leu Tyr Asn Thr Val Ala Thr Leu
 1 5

<210> 476

<211> 9
 <212> PRT
 <213> Homo Sapiens

 <400> 476
 Glu Leu Val Ser Glu Phe Ser Arg Val
 1 5

 <210> 477
 <211> 10
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

 <400> 477
 Arg Gly Pro Gly Arg Ala Phe Val Thr Ile
 1 5 10

 <210> 478
 <211> 9
 <212> PRT
 <213> Hepatitis C virus

 <400> 478
 His Met Trp Asn Phe Ile Ser Gly Ile
 1 5

 <210> 479
 <211> 10
 <212> PRT
 <213> Homo Sapiens cytomegalovirus

 <400> 479
 Asn Leu Val Pro Met Val Ala Thr Val Gln
 1 5 10

 <210> 480
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 6b

 <400> 480
 Gly Leu His Cys Tyr Glu Gln Leu Val
 1 5

 <210> 481
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 6b

 <400> 481
 Pro Leu Lys Gln His Phe Gln Ile Val
 1 5

<210> 482

<211> 10

<212> PRT

<213> EBV

<400> 482

Leu Leu Asp Phe Val Arg Phe Met Gly Val
1 5 10

<210> 483

<211> 9

<212> PRT

<213> Haemophilus influenzae

<400> 483

Ala Ile Met Glu Lys Asn Ile Met Leu
1 5

<210> 484

<211> 9

<212> PRT

<213> Plasmodium falciparum

<400> 484

Tyr Leu Lys Thr Ile Gln Asn Ser Leu
1 5

<210> 485

<211> 9

<212> PRT

<213> Plasmodium falciparum

<400> 485

Tyr Leu Asn Lys Ile Gln Asn Ser Leu
1 5

<210> 486

<211> 10

<212> PRT

<213> Homo sapiens papillomavirus type 16

<400> 486

Tyr Met Leu Asp Leu Gln Pro Glu Thr Thr
1 5 10

<210> 487

<211> 9

<212> PRT

<213> Homo sapiens papillomavirus type 16

<400> 487
 Leu Leu Met Gly Thr Leu Gly Ile Val
 1 5

<210> 488
 <211> 8
 <212> PRT
 <213> Homo sapiens papillomavirus type 16

<400> 488
 Thr Leu Gly Ile Val Cys Pro Ile
 1 5

<210> 489
 <211> 9
 <212> PRT
 <213> Homo sapiens immunodeficiency virus type 1

<400> 489
 Thr Leu Thr Ser Cys Asn Thr Ser Val
 1 5

<210> 490
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 16

<400> 490
 Lys Leu Pro Gln Leu Cys Thr Glu Leu
 1 5

<210> 491
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 16

<400> 491
 Thr Ile His Asp Ile Ile Leu Glu Cys
 1 5

<210> 492
 <211> 9
 <212> PRT
 <213> Homo Sapiens papillomavirus type 16

<400> 492
 Leu Gly Ile Val Cys Pro Ile Cys Ser
 1 5

<210> 493
 <211> 9

<212> PRT
<213> Homo Sapiens

<400> 493
Val Ile Leu Gly Val Leu Leu Leu Ile
1 5

<210> 494
<211> 9
<212> PRT
<213> Axial seamount polynoid polychaete

<400> 494
Ala Leu Met Asp Lys Ser Leu His Val
1 5

<210> 495
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 495
Gly Ile Leu Thr Val Ile Leu Gly Val
1 5

<210> 496
<211> 9
<212> PRT
<213> Plasmodium falciparum

<400> 496
Met Ile Asn Ala Tyr Leu Asp Lys Leu
1 5

<210> 497
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 497
Ala Ala Gly Ile Gly Ile Leu Thr Val
1 5

<210> 498
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 498
Phe Leu Pro Ser Asp Phe Phe Pro Ser Val
1 5 10

<210> 499

<211> 9

<212> PRT

<213> EBV

<400> 499

Ser Val Arg Asp Arg Leu Ala Arg Leu

1

5

<210> 500

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 500

Phe Ala Tyr Asp Gly Lys Asp Tyr Ile

1

5

<210> 501

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 501

Ala Leu Leu Ala Val Gly Ala Thr Lys

1

5

<210> 502

<211> 11

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 502

Arg Leu Arg Asp Leu Leu Leu Ile Val Thr Arg

1

5

10

<210> 503

<211> 10

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 503

Gln Val Pro Leu Arg Pro Met Thr Tyr Lys

1

5

10

<210> 504

<211> 10

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 504

Thr Val Tyr Tyr Gly Val Pro Val Trp Lys
1 5 10

<210> 505
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 505
Arg Leu Arg Pro Gly Gly Lys Lys Lys
1 5

<210> 506
<211> 9
<212> PRT
<213> haemophilus influenzae

<400> 506
Ile Leu Arg Gly Ser Val Ala His Lys
1 5

<210> 507
<211> 9
<212> PRT
<213> EBV

<400> 507
Arg Leu Arg Ala Glu Ala Gly Val Lys
1 5

<210> 508
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 508
Val Tyr Tyr Gly Val Pro Val Trp Lys
1 5

<210> 509
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 509
Arg Val Cys Glu Lys Met Ala Leu Tyr
1 5

<210> 510
<211> 9
<212> PRT

<213> Homo Sapiens

<400> 510

Lys Ile Phe Ser Glu Val Thr Leu Lys
1 5

<210> 511

<211> 9

<212> PRT

<213> Hepatitis B virus

<400> 511

Tyr Val Asn Val Asn Met Gly Leu Lys
1 5

<210> 512

<211> 9

<212> PRT

<213> EBV

<400> 512

Ile Val Thr Asp Phe Ser Val Ile Lys
1 5

<210> 513

<211> 8

<212> PRT

<213> Homo Sapiens

<400> 513

Glu Leu Asn Glu Ala Glu Leu Lys
1 5

<210> 514

<211> 9

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 514

Val Pro Leu Arg Pro Met Thr Tyr Lys
1 5

<210> 515

<211> 9

<212> PRT

<213> Homo Sapiens immunodeficiency virus type 1

<400> 515

Ala Ile Phe Gln Ser Ser Met Thr Lys
1 5

<210> 516
 <211> 10
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 516
 Gln Val Pro Leu Arg Pro Met Thr Tyr Lys
 1 5 10

<210> 517
 <211> 8
 <212> PRT
 <213> Hepatitis C virus

<400> 517
 Thr Ile Asn Tyr Thr Ile Phe Lys
 1 5

<210> 518
 <211> 12
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 518
 Ala Ala Val Asp Leu Ser His Phe Leu Lys Glu Lys
 1 5 10

<210> 519
 <211> 12
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 519
 Ala Cys Gln Gly Val Gly Gly Pro Gly Gly His Lys
 1 5 10

<210> 520
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 520
 Ser Tyr Leu Asp Ser Gly Ile His Phe
 1 5

<210> 521
 <211> 9
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 521
 Arg Tyr Leu Lys Asp Gln Gln Leu Leu

1 5

<210> 522
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 522
 Ala Tyr Gly Leu Asp Phe Tyr Ile Leu
 1 5

<210> 523
 <211> 10
 <212> PRT
 <213> Homo Sapiens

<400> 523
 Ala Phe Leu Pro Trp His Arg Leu Phe Leu
 1 5 10

<210> 524
 <211> 9
 <212> PRT
 <213> Homo Sapiens

<400> 524
 Ala Phe Leu Pro Trp His Arg Leu Phe
 1 5

<210> 525
 <211> 8
 <212> PRT
 <213> EBV

<400> 525
 Arg Tyr Ser Ile Phe Phe Asp Tyr
 1 5

<210> 526
 <211> 10
 <212> PRT
 <213> Homo Sapiens immunodeficiency virus type 1

<400> 526
 Glu Thr Ile Asn Glu Glu Ala Ala Glu Trp
 1 5 10

<210> 527
 <211> 11
 <212> PRT
 <213> Hepatitis B virus

<400> 527
Ser Thr Leu Pro Glu Thr Thr Val Val Arg Arg
1 5 10

<210> 528
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 528
Met Ser Leu Gln Arg Gln Phe Leu Arg
1 5

<210> 529
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 529
Leu Leu Pro Gly Gly Arg Pro Tyr Arg
1 5

<210> 530
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 530
Ile Val Gly Leu Asn Lys Ile Val Arg
1 5

<210> 531
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 531
Ala Ala Gly Ile Gly Ile Leu Thr Val
1 5

<210> 532
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 532
Glu Val Asp Pro Ala Ser Asn Thr Tyr
1 5

<210> 533

<211> 9
<212> PRT
<213> Homo Sapiens

<400> 533
Glu Val Asp Pro Thr Ser Asn Thr Tyr
1 5

<210> 534
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 534
Glu Ala Asp Pro Thr Ser Asn Thr Tyr
1 5

<210> 535
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 535
Glu Val Asp Pro Ile Gly His Val Tyr
1 5

<210> 536
<211> 11
<212> PRT
<213> Homo Sapiens

<400> 536
Met Leu Leu Ala Val Leu Leu Tyr Cys Leu Leu
1 5 10

<210> 537
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 537
Met Leu Leu Ala Val Leu Tyr Cys Leu
1 5

<210> 538
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 538
Ser Glu Ile Trp Arg Asp Ile Asp Phe Ala
1 5 10

<210> 539
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 539
Ser Glu Ile Trp Arg Asp Ile Asp Phe
1 5

<210> 540
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 540
Xaa Glu Ile Trp Arg Asp Ile Asp Phe
1 5

<210> 541
<211> 11
<212> PRT
<213> Homo Sapiens

<400> 541
Ser Thr Leu Val Glu Val Thr Leu Gly Glu Val
1 5 10

<210> 542
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 542
Leu Val Glu Val Thr Leu Gly Glu Val
1 5

<210> 543
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 543
Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu
1 5 10

<210> 544
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 544
Ile Ile Val Leu Ala Ile Ile Ala Ile
1 5

<210> 545
<211> 11
<212> PRT
<213> Homo Sapiens

<400> 545
Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val
1 5 10

<210> 546
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 546
Leu Ile Glu Thr Ser Tyr Val Lys Val
1 5

<210> 547
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 547
Phe Leu Trp Gly Pro Arg Ala Leu Val
1 5

<210> 548
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 548
Thr Leu Val Glu Val Thr Leu Gly Glu Val
1 5 10

<210> 549
<211> 10
<212> PRT
<213> Homo Sapiens

<400> 549
Ala Leu Val Glu Thr Ser Tyr Val Lys Val

1 5 10

<210> 550
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 550
Lys Ile Trp Glu Glu Leu Ser Val Leu
1 5

<210> 551
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 551
Glu Val Asp Pro Ile Gly His Leu Tyr
1 5

<210> 552
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 552
Glu Xaa Asp Xaa Xaa Xaa Xaa Xaa Tyr
1 5

<210> 553
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 553
Glu Ala Asp Pro Thr Gly His Ser Tyr
1 5

<210> 554
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 554
Glu Ala Asp Xaa Xaa Xaa Xaa Xaa Tyr
1 5

<210> 555
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 555
Glu Ala Asp Pro Xaa Xaa Xaa Xaa Tyr
1 5

<210> 556
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 556
Glu Ala Asp Pro Ile Xaa Xaa Xaa Tyr
1 5

<210> 557
<211> 9
<212> PRT
<213> Homo Sapiens

<220>
<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 557
Glu Ala Asp Pro Ile Gly Xaa Xaa Tyr
1 5

<210> 558
<211> 9
<212> PRT
<213> Homo Sapiens

<220>

<221> VARIANT
<222> (1)...(9)
<223> Xaa = Any Amino Acid

<400> 558
Glu Ala Asp Pro Ile Gly His Xaa Tyr
1 5

<210> 559
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 559
Glu Ala Asp Pro Ile Gly His Leu Tyr
1 5

<210> 560
<211> 16
<212> PRT
<213> Homo Sapiens

<400> 560
Glu Leu His Ser Ala Tyr Gly Glu Pro Arg Lys Leu Leu Thr Gln Asp
1 5 10 15

<210> 561
<211> 12
<212> PRT
<213> Homo Sapiens

<400> 561
Glu His Ser Ala Tyr Gly Glu Pro Arg Lys Leu Leu
1 5 10

<210> 562
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 562
Ser Ala Tyr Gly Glu Pro Arg Lys Leu
1 5

<210> 563
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 563
Glu Ala Asp Pro Thr Gly His Ser Tyr
1 5

<210> 564
<211> 16
<212> PRT
<213> Homo Sapiens

<400> 564
Met Ala Ala Arg Ala Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln
1 5 10 15

<210> 565
<211> 16
<212> PRT
<213> Homo Sapiens

<400> 565
Met Ala Ala Arg Ala Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln
1 5 10 15

<210> 566
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 566
Ala Ala Arg Ala Val Phe Leu Ala Leu
1 5

<210> 567
<211> 8
<212> PRT
<213> Homo Sapiens

<400> 567
Tyr Arg Pro Arg Pro Arg Arg Tyr
1 5

<210> 568
<211> 9
<212> PRT
<213> Homo Sapiens immunodeficiency virus type 1

<400> 568
Asp Leu Asn Thr Met Leu Asn Thr Val
1 5

<210> 569
<211> 9
<212> PRT
<213> LCKV

<400> 569

Lys Ala Val Tyr Asn Phe Ala Thr Cys

1

5